

STRUCTURAL STEEL

January 2005

SCOPE: Test a candidate's knowledge of the erection of structural steel shapes and plates, including such minor field fabrication as may be necessary, or any profile, perimeter, or cross-section, that are or may be used as structural members for building and structures, including related metal decking, siding, joists, riveting, welding, and rigging.

EXAMINATION OUTLINE

Open Book

50 questions 2 hour time limit

70% Correct required to pass

SUBJECT AREA

Structural Steel

Welding

Structural Steel – Bolting

Metal Decking

Metal Siding

Metal Joists

Riggings

Safety – Code of Federal Regulations

Estimating

REFERENCES

The reference materials listed below should be helpful to candidates in preparing for this examination. These materials may NOT contain all of the information needed to be competent in this trade or to pass the examination. We try to keep this reference list current and consisting of industry standard materials. This reference list is only a small sample of materials available which contain the necessary information.

The following references ARE allowed in the testing center:

29 CFR (Code of Federal Regulations) 1926 OSHA (Construction Industry) 2004 edition or higher. Superintendent of Documents, PO Box 371954, Pittsburgh, PA 15250-7954

Code of Standard Practice for Steel Buildings and Bridges 2000 edition American Institute of Steel Construction 1 East Wacker Dr Suite 3100 Chicago, IL 60601-2001

Handling & Erection of Steel Joist and Joist Girders Technical Digest #9, 1987 edition Steel Joist Institute 3127 10th Avenue North Myrtle Beach SC 29577-6760

Modern Welding 2000 edition Goodheart-Wilcox Company Inc 18604 West Creek Drive Tinley Park IL 60477-6243

Fundamentals of Building Construction, Materials, & Methods, 3rd edition 1999 Wiley Publishing Inc 10475 Crosspoint Blvd Indianapolis IN 46256

Handbook of Rigging: For Construction & Industrial Operations: 4th edition 1998 McGraw-Hill Publishing Inc PO Box 182604 Columbus OH 43272

Manual of Steel Construction: Allowable Stress Design 9th edition 1989 American Institute of Steel Construction 1 East Wacker Dr Suite 3100 Chicago, IL 60601-2001

Books and editions are subject to change without notice. Please be aware that there may be some questions/answers change due to code updates/edition changes. To receive information on how to obtain references, please call 812-429-9868.

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